

PATENT ABSTRACTS OF JAPAN

(11) Publication number : 2003-258811

(43) Date of publication of application : 12.09.2003

(51) Int.Cl.

H04L 12/28
 H04L 12/56
 H04Q 7/22
 H04Q 7/24
 H04Q 7/26
 H04Q 7/30

(21) Application number : 2002-055471

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(22) Date of filing :

01.03.2002

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(54) ROUTING METHOD AND ROUTER DEVICE FOR RADIO NETWORK

(57) Abstract:

PROBLEM TO BE SOLVED: To transmit message data even when the opposite station is off-line and to provide a service when a self-station intends to be off-line in a radio network such as an ad hoc radio network.

SOLUTION: When its own station intends to be off-line, the self-station selects a proxy radio station to be a proxy for the self-station from an MGLS table on the basis of a prescribed criteria (S142), and transmits to the proxy radio station a proxy request signal for requesting the proxy radio station to be a proxy for the self-station (S145). When the self-station receives a proxy request signal to the self-station, the self-station inserts proxy information showing that the self-station is a proxy radio station for a particular different ratio station in the MGLS

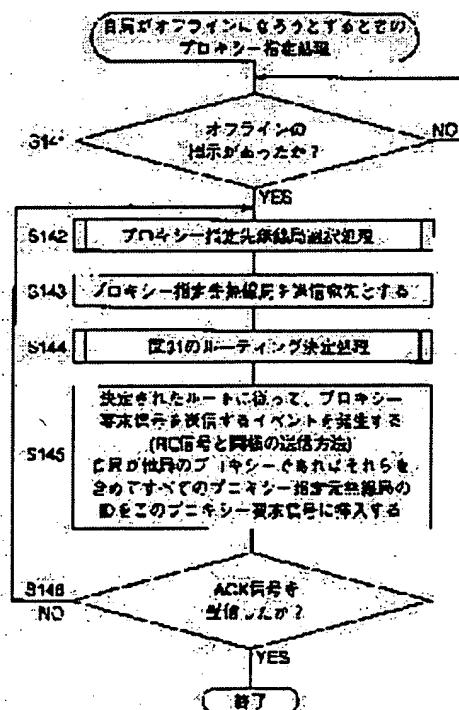


table to update the MGLS table, and also updates the MGLS table of the different radio station by transmitting a prescribed packet signal with the proxy information included in transmitting the packet signal to the different radio station.

LEGAL STATUS

[Date of request for examination] 15.06.2004

[Date of sending the examiner's decision of rejection]

[Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]

[Date of final disposal for application]

[Patent number]

[Date of registration]

[Number of appeal against examiner's decision of rejection]

[Date of requesting appeal against examiner's decision of rejection]

[Date of extinction of right]